

AMENDMENTS TO THE SPECIFICATION

In the Specification:

Please replace the paragraph beginning on page 8, line 17 as follows:

The linear polymer having P=O bonds is formed by polymerizing a phosphonate compound with a polymerizable functional unsaturated hydrocarbon group. The unsaturated hydrocarbon group may include, but is not limited to, C₂ to C₂₀ alkenyls, alkynyls, etc., preferably vinyl, silyl, siloxy, etc. Preferred examples of the phosphonate compound with an unsaturated hydrocarbon group may include diethyl vinyl phosphonate, dimethyl vinyl phosphonate, dipropyl vinyl phosphonate, ~~ethylene glycol methacrylate-phosphate~~
 $(CH_2=C(CH_3)CO_2CH_2CH_2OP(O)(OH)_2)$, allyl diethylphosphonoacetate
 $(C_2H_5O)_2P(O)CH_2CO_2CH_2CH=CH_2)$, triethyl 3-methyl-4-phosphonocrotonate
 $(C_2H_5O)_2P(O)CH_2C(CH_3)-CHCO_2C_2H_5)$, allyl ~~tetraisopropylphosphorodiamidite~~
tetraisopropylphosphonodiamidate $([(CH_3)_2CH]_2N)_2POCH_2CH=CH_2)$, and other suitable phosphonate compounds.